

BP CHALLENGE ZOO COMPETITION EXTENDED

BP ZOO CHALLENGE TASK

Design an enrichment 'toy' for one of the following:

- *Southern White Rhino, Ruffed Lemur or the Kea.*

Click on the following website to find out how Dave went about making his inventions. These may give you some ideas on what to do. www.rsnz.org/education/bp_chall/2006/zoo.php

YOU MAY

Make a design only.

- *Make this very clear, with details of all parts and materials used*

Make a design and a working model.

- *Remember to check the types of materials Dave mentioned.*

For both challenges, please use the template provided at:

www.rsnz.org/education/bp_chall/2006/DesignTemplate.doc

Click on: Design templates (Word file).

The Zoo staff and Dave will look at your work and possibly select suitable ones for the Zoo. Please **do not send any models, just photographs.**

Please send your entry photographs to:

Mike Rogers

School Support Services

University of Waikato

Private Bag 3105, Hamilton

or email photos to: mrogers@waikato.ac.nz

by 4 June 2008

METHOD

As far as possible, students themselves research and decide on the challenge using the following ideas.

Research (*using books, internet, zoo experts ...*)

- *what are the natural behaviours/characteristics of the animal?*

Brainstorm possible tasks/challenge for selected animal

- *Decide on task/challenge*
- *Constraints (cost, safety, zoo requests, time)*
- *Considerations (aesthetics, size, number)*

Design task/challenge

- *teams' plan*
- *design according to preferences, constraints and considerations*

Construct test and modify

- *paper and sticky tape working model?*
- *More authentic material model?*
- *Prototype?*

Present

- *to class, school or zoo*
- *advertise or promote*

Assess

- *against design and discuss possible changes*

PRIZES

Prizes will be awarded for the best designs received and these are to be used towards school resources.

1st Place = \$1,000 2nd Place = \$500 3rd Place = \$300